



# Mechanical Engineering Master’s Graduation Seminar Day

Monday, November 10, 2025 | Wolfson Buldiing, Room 206, 8:30–15:00

8:30-8:50      Gathering, coffee and refreshments  
8:50-9:00      Outstanding Students Certificate Ceremony

	First round	Speaker	Scientific field	Group	Title
1	9:00-9:20	Adi Nigri	Enviromental, Sustainability, Energy	Ines Zucker	Performance Evaluation of Ozone Nanobubbles in Ozonation Processes with a Focus on Multiphase Environments
2	9:20-9:40	Shachaf Elia		Hadas Mamane	Wastewater treatment though groundwater dilution and reuse for irrigation in rural Punjab, India
3	9:40-10:00	Sapir Assayag		Hadas Mamane	Classifying the Efficacy of UV-LED Flow Systems in Treating Fecal Coliforms in Laboratory and Natural Water
4	10:00-10:20	Uriel Naor (Zoom)	Solid Mechanics		Investigation of the factors causing errors in the CTEM system, past and present
5	10:20-10:40	Arava Korakh		Lior Medina	Global Limit Point Behaviour in Electrostatically Actuated Initially Curved and Weakly Coupled Double Microbeams
6	10:40-11:00	Yaara Lavi		Rami Haj-Ali	Micromechanics-based Fatigue Damage Modeling of Laminated Composite Structures
7	11:00-11:20	Alaa dar diab	Biomechanics, Biomaterials, Bioisnpired Systems	Zohar Yosibash	Biomechanical properties of internal mammary arteries: insights into active response
8	11:20-11:40	Yehuda Leor		Bat-El Pinchasik	Three-dimensional Printed Liquid Diode Inspired by the Araucaria Leaves

11:40-12:20      Gathering, refreshments

	Second round	Speaker	Scientific field	Group	Title
9	12:20-12:40	Eden hershkovitz	Robotics, Automation, Control	Avishai Sintov	Goal conditioned visual navigation for autonomous mobile robots: an end to end DRL approach
10	12:40-13:00	Eden Hecht	Fluid Mechanics	Herman Haustein	An Analytic Approximation for the Developing Flow in an Annulus
11	13:00-13:20	Yotam Erel		Yoram Kozak	Numerical Simulations and Analysis of Double Structure Cellular Detonations with Two-Step Chemical Kinetics.
12	13:20-13:40	Hodaya Bitan		Gil Marom	Room Air Conditioning and Temperature Control Using Moving Window Modules
13	13:40-14:00	Omer Hadar		Alexander Liberzon	In-Vitro FSI measurement for a Compliant LV Model using Lagrangian Particle Tracking (3D-PTV)
14	14:00-14:20	Niv Haim Mizrahi		Alexander Liberzon	Investigation of Three-Dimensional Backflow Effects on Passive Flow Control Devices for Heavy Vehicle Rear-Ends
15	14:20-14:40	Daniel Jalontzki		Yoram Kozak	High-fidelity numerical modeling and calibration for heavy hydrocarbon liquid fuel spray detonations
16	14:40-15:00	Shachar Charash		Yoram Kozak	Numerical Simulations and Cellular Structure Analysis of Premixed Gas-Phase Detonations with Single-Step Chemical Kinetics

